

AMENDMENTS TO THE SPECIFICATION

Please make the following amendments to the specification.

Please replace paragraph [0051] with the following paragraph:

Fig. 21A is an annotated sequence of EST72223 (SEQ ID NO: 8788) comprising novel gene GAM24 detected by the gene detection system of the present invention;

In the Preliminary Amendment filed January 10, 2005, paragraph [0052] was replaced with six paragraphs. Please replace the second paragraph that recites:

Fig. 22A is an annotated sequence of an EST7929020 comprising novel genes GAM23 and GAM25 detected by the gene detection system of the present invention;

with the following paragraph:

Fig. 22A is an annotated sequence of an EST7929020 (SEQ ID NO: 8789) comprising novel genes GAM23 and GAM25 detected by the gene detection system of the present invention;

In the Preliminary Amendment filed January 10, 2005, paragraph [0052] was replaced with six paragraphs. Please replace the fifth paragraph that recites:

Fig. 23A is an annotated sequence of an EST1388749 comprising novel gene GAM26 detected by the gene detection system of the present invention;

with the following paragraph:

Fig. 23A is an annotated sequence of an EST1388749 (SEQ ID NO: 8790) comprising novel gene GAM26 detected by the gene detection system of the present invention;

Please replace paragraph [0123] with the following paragraph:

Transcript preparations: Digoxigenin (DIG) labeled transcripts were prepared from EST72223 (TIGER), MIR98 and predicted precursor hairpins by using a DIG RNA labeling kit (Roche Molecular Biochemicals) according to the ~~manufacturer's~~ manufacturer's protocol. Briefly, PCR products with T7 promoter at the 5' end or T3 promoter at the 3' end were prepared from each DNA in order to use it as a template to prepare sense and antisense

transcripts, respectively. MIR-98 was amplified using EST72223 as a ~~templet~~ template with T7miR98 forward primer: 5'-TAATAC GACTCACTATAGGGTGAGGTAGTAAGTTGTATTGTT-3" (SEQ ID NO: 8791) and T3miR98 reverse primer: 5'-AATTAACCCTCACTAAAGGGAAAGTAGTAAGTTGTATAG TT-3" (SEQ ID NO: 8792). EST72223 was amplified with T7-EST 72223 forward primer: 5'-TAATACGACTCACTATAGG CCCTTATTAGAGGATTCTGCT-3" (SEQ ID NO: 8793) and T3-EST72223 reverse primer: 5'-AATTAACCCTCACTAAAGG TTTTTTTTTCCTGAGACAGAGT-3" (SEQ ID NO: 8794). Bet-4 was amplified using EST72223 as a ~~templet~~ template with Bet-4 forward primer: 5'-GAGGCAGGAGAATTGCTTGA- 3" (SEQ ID NO: 8795) and T3-EST72223 reverse primer: 5'-AAT TAACCCTCACTAAAGGCCTGAGACAGAGTCTTGCTC-3" (SEQ ID NO: 8796). The PCR products were cleaned and used for DIG-labeled or unlabeled transcription reactions with the appropriate polymerase. For transfection experiments, CAP reaction was performed by using a ~~mMessage~~ mMessage mMachine kit (Ambion).